October Revision

① Summary

Lesson 1

- Albert Lin is an archeologist.
- Above ground tools:
  1. Satellites and Drones:
     Take photographs of the Earth from above.
  2. Global Positioning System (GPS):
     Finds the location of something using satellites.
- Underground tools:
  1. Magnetometer:
     - Measures the magnetic field.
     - Finds metal underground.
  2. Ground Penetrating Radar (GPR):
     Discovers objects buried underground.





- Computers are important to write documents, create presentations, create tables, create videos, browse the internet, and play games.
- The shape and components of computers differ according to:

1. Model
2. Manufacturing date

Input Devices		Output Devices	
1 Keyboard	• To type letters and numbers into the computer.	1 Screen	• Shows what you and the computer are doing.
2 Mouse	• To select and move things easily.	2 Speaker	• To hear others. • To output sound.
3 Camera	• To allow others to see you. • To input images or videos into the computer.	3 Printer	• To output texts or images from your computer on paper.
4 Microphone	• To allow others to hear you. • To input sound, audio, and music into the computer.	4 Braille terminal	• It allows blind people to use computers. (How?) • It converts text on the screen into Braille characters.
5 Scanner	• To input texts and images from paper into the computer.	5 Speech synthesizer	• It allows non-verbal people to speak. (How?) • It changes text to speech.



- A touch screen can be used as an input device and an output device.

Lesson 4

» The CPU: It is a device that is used to process data and converts it into information.

Data → CPU (Processing) → Information

Software	
1. Operating System	**2. Programs (Applications)**
» It is a software system that manages hardware and software. **Examples:** • Windows: It is the most famous operating system for computers. • Android: It is the most famous operating system for cell phones.	1. MS Word: It is used to write documents or reports. 2. MS Excel: It is used to create tables and graphs. 3. MS PowerPoint: It is used to create presentations. 4. Google Chrome: It is a browser that allows you browse websites on the internet. 5. Gaming applications:

Lesson 5

» Assistive Technology: It helps people of determination (disabilities) to do daily activities.

Disabilities	Assistive Technology
• Limb difference (amputated leg)	• Prosthetic legs • Paraclimbing tools (for climbers with Limb differences)

• Trouble hearing	• Hearing aids
• Visually impaired people (trouble in vision)	• Screen magnification software • Cell phones with large buttons • Ball that makes noise
• Blind people	• Braille method (convert letters to prominent symbols)
• Speech and language disabilities	• Alternative communication software (change text into speech and vice versa)

» **Stephen Hawking used:**

1. Motorized wheelchair to move.
2. Speech synthesizer to communicate.

Lesson 6

» ICT tools might have a temporary breakdown or failure.

1. An app doesn't open: Restart → check update → uninstall & reinstall app.
2. The mouse/ keyboard doesn't work: Make sure it is connected correctly, then restart → replace the mouse/keyboard with a new one.
3. Your screen freezes: Press "Alt+Ctrl+Del" → Restart.
4. You can't find a file: Use the Search box in Start menu.

NOTES:

1. Restarting a device can often solve many common ICT problems.
2. If you have tried but can't solve the problem, the last step is to ask your teacher or family for help.

Exercises on Lesson 1

1 Choose the correct answer:

1. Albert Lin is a/an .... that uses modern technology to explore archaeological sites without digging.
   a. doctor b. teacher c. archaeologist
2. Archaeologists need to know where to dig. So they do a survey .... the ground.
   a. above b. under c. both of them
3. .... is/are used to get pictures of any region from above.
   a. GPS b. Magnetometer c. Drones
4. The .... enables us to identify objects buried underground.
   a. GPR b. GPS c. GPA
5. The GPS in your mobile is connected to .... to determine locations.
   a. rockets b. spacecrafts c. satellites
6. .... is/are one of the archaeological tools used to take photographs of the Earth from above.
   a. GPS b. Satellites c. GPR
7. .... is an archaeological tool that is used to measure the magnetic field underground.
   a. GPR b. GPS c. A magnetometer
8. .... is used to find minerals in the ground.
   a. A magnetometer b. A drone c. GPR

(محافظة بور سعيد – إدارة شمال 2023)

9. Archaeologists use the ground penetrating radar to ....
   a. locate objects above the ground
   b. explore objects under the ground
   c. determine the direction of any location

10 If your friend sent you a WhatsApp message containing their location, this means that he uses the ....
a. ground penetrating radar (GPR)
b. global positioning system (GPS)
c. magnetometer

11 What is the first step taken by the archaeologist to explore any new location?
a. He uses drones to search for things above the ground.
b. He uses GPR to discover objects underground.
c. He uses a magnetometer to determine the location.

12 The archaeological tools help archaeologists to ....
a. determine the location of the supermarket
b. decide where they can dig
c. communicate with their friends

2 Put (✓) or (✗):

1 Albert Lin is a technologist. (   )

2 Archaeological tools save time, money, and effort for archaeologists. (   )

3 The magnetometer is used to determine places via satellites. (   )

(محافظة الجيزة -إدارة الشيخ زايد - 2023)

4 Tourists can use GPS to determine locations while traveling. (   )

5 The archaeological tools help tourists decide where to dig. (   )

6 The taxi driver relies on the GPS device. (   )

(محافظة المنوفية -إدارة قويسنا 2023)

7 The global positioning system (GPS) is used to locate things underground. (   )

8 The magnetometer is used to determine directions via satellites. (   )

9 Ground penetrating radar is used to discover objects buried underground. (   )

(محافظة الإسكندرية-إدارة المنتزة 2 (نموذج1) 2023)



10 Drones are used to get pictures of objects above the ground. (   )

(محافظة الدقهلية -إدارة طلخا 2023)

11 A magnetometer is used to measure the magnetic field underground. (   )

12 Archaeologists use the ground penetrating radar to find objects above the ground. (   )

13 GPS is connected to satellites to help you find places you want to visit. (   )

14 A magnetometer is used to discover metals underground. (   )

(محافظة الإسكندرية – إدارة العجمي 2023)

15 Archaeologists use tools, such as GPS, GPR, and magnetometer to explore the Earth. (   )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Magnetometer	a. enables us to get images of objects above the ground.
2 GPS	b. enables us to discover minerals underground.
3 GPR	c. enables us to know the location of any place we want to visit.
4 Drone	d. enables us to discover objects buried underground.

1 .... 2 .... 3 .... 4 ....

4 Read and complete:

Read the scenarios below. Decide which tools could be used for each scenario.

1 You want to see if there are any old coins buried underground.

....

....

....

2. You receive a message from your friend who is lost and you want to try to find him.

....

....

....

3. You want to find out if there are any old buildings under the ground.

....

....

....

5 Read and complete:

Which tools help archaeologists locate things above the ground?
Which tools help archaeologists locate things below the ground?

(GPS – Ground penetrating radar – Magnetometer)

....
....
....

Locate things above the ground

Archaeologists' Tools

Locate things under the ground

....
....
....

....
....
....



Exercises on Lesson 3

1 Choose the correct answer:

1. The computer is an electronic device that is used for ....
   a. processing data   b. writing documents   c. both of them

2. .... is considered one of the hardware components of a computer.
   a. PowerPoint   b. The browser   c. The CPU

   (محافظة الاسكندرية-ادارة المنتزه 1 (نموذج 1) 2023)

3. The computer's shape depends on the following, <u>except</u> ....
   a. model   b. the manufacture date
   c. software

4. .... are devices that are used to enter data into a computer.
   a. Input devices   b. Output devices   c. CPU

5. The .... is one of the input devices on the computer.
   a. speaker   b. printer   c. scanner

6. The component responsible for entering data into a computer is the ....
   a. keyboard   b. CPU   c. printer

   (محافظة كفر الشيخ – إدارة كفر الشيخ 2023)

7. .... are input devices of the computer.
   a. The keyboard, mouse, and speaker
   b. The camera, scanner, and microphone
   c. The touch screen, speaker, and printer

8. .... are devices that output information from a computer.
   a. Input devices   b. Output devices   c. Documents

9. All the following are from input devices on the computer components, except the ....
   a. screen   b. microphone   c. keyboard

10. The .... is a device that allows non-speakers to speak.
    a. scanner   b. printer   c. speech synthesizer

    (محافظة الغربية – إدارة المحلة غرب 2023)

11 The screen is considered an .... device, while the camera is considered an .... device.

a. output – output b. output – input c. input – input

12 One of the attached devices that is used during video calls is the ....

a. printer b. scanner c. camera

(محافظة الإسكندرية - إدارة المنتزه 2 - (نموذج 1) 2023)

13 .... allows blind people to use computer.

a. Speech synthesizer b. Braille terminal c. The keyboard

14 The .... is used to enter papers and photos into your computer.

a. scanner b. display screen c. printer

15 The .... is used to output texts and images on paper.

a. Screen b. scanner c. printer

16 One of the devices that is used for writing/typing is the ....

a. speaker b. mouse c. keyboard

17 The speech synthesizer is a type of ....

a. input device b. output device d. printing device

(محافظة الدقهلية – منية النصر 2023)

18 The .... enables us to output sound.

a. mouse b. speaker c. microphone

19 The .... is used to select, insert, or drag a file on the computer.

a. mouse b. printer c. scanner

20 The .... allows you to enter sound into your computer.

a. speech synthesizer b. speaker c. microphone

21 To hear others through the internet, you should have a/an ....

a. microphone b. speaker c. camera

22 The most important element of the computer system is the ....

a. mouse b. user c. CPU

2 Put (✓) or (✗):

1. A computer is used to create and edit spreadsheets and presentations. (   )

(محافظة الإسكندرية-إدارة المنتزه 1 - (نموذج 1) 2023)

2. Input devices in computers work on processing data. (   )
3. The keyboard is a device that is used to output data. (   )

(محافظة الشرقية – إدارة ههيا 2023)

4. Non-verbal people use speech synthesizers to communicate using the computer. (   )
5. The scanner is used to print images from the computer on paper. (   )

(محافظة الشرقية – إدارة ههيا 2023)

6. We use scanners to transfer texts and images from paper to our computer. (   )
7. A laptop is bigger than a personal computer. (   )
8. Braille terminals and speech synthesizers help people with determination to use computers. (   )
9. The most important element of the computer system is you. (   )
10. The microphone is very important to hear audio or video. (   )

3 Complete the following sentences using the words between the brackets:

(scanner – screen – speaker – camera – keyboard – microphone)

1. A .... enables you to enter your photo at the present.
2. A .... enables you to enter the sound into the computer.
3. A .... enables you to write letters and numbers.
4. A .... displays information (texts, photos & videos).
5. A .... is used to input texts and images from paper into the computer.
6. A .... is used to output audio data.

4 Cross out the odd word:

1. Keyboard – Printer – Camera – Scanner (..............................)
2. Touch screen – Speaker – Microphone – Screen (..............................)
3. Speech synthesizer – Braille terminal – Scanner (..............................)

Theme 1

5 Classify these words into input or output devices:

(Speech synthesizer - Touch screen - Speaker - Camera - Keyboard - Printer)

Input Devices	Output Devices
....	....
....	....
....	....

6 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
Hardware	Function
1 Keyboards	a. output audio data.
2 Speakers	b. view visual data as images.
3 Screens	c. output texts and images.
4 Printers	d. input letters and numbers.

1 .... 2 .... 3 .... 4 ....

7 Label the components of the computer with the words in the box:

(Keyboard - Mouse - Printer - Scanner - Screen - Speaker)



1 .... 2 .... 3 ....
4 .... 5 .... 6 ....

8 What is the function of each component of the computer above? Complete the chart:

Functions	Components
1 Allows interaction with, and selection of, information.	....
2 Displays visual data: texts, images, and videos.	....
3 Allows input of images.	....
4 Allows input of text.	....
5 Allows input of text and images from paper.	....
6 Allows output of text and images on paper.	....
7 Allows input of audio.	....
8 Allows output of audio.	....

9 Read and complete:

Devices can also include components to help people of determination. Read the descriptions below and write the name of the component.

Then answer the question.

1. This component allows blind people to use computers.

....

....

2. This component allows non-verbal people to speak.

....

....

Exercises on Lesson 4

1 Choose the correct answer:

1. The .... sends data to the CPU, which then receives it in the form of information.
   a. operating system b. browser c. keyboard

2. .... is considered software on the personal computer.
   a. The keyboard b. MS Excel c. The printer

(محافظة الشرقية – إدارة ههيا 2023)

3. The .... is responsible for managing both hardware and software.
   a. CPU b. operating system c. keyboard

4. The .... is considered one of the hardware components of a computer.
   a. MS PowerPoint b. browser c. CPU

(محافظة الإسكندرية – إدارة المنتزه1 – (نموذج1) 2023)

5. Operating system is a /an ....
   a. input device b. software c. hardware

6. To access websites online, you can use ....
   a. MS Excel b. MS Word c. a browser

7. Windows and Android are considered ....
   a. applications b. input devices c. operating systems

8. Information is considered the processing product of ....
   a. data b. digital blogs c. email

(محافظة أسيوط – إدارة أسيوط التعليمية 2023)

9. Word, Excel, and PowerPoint are considered ....
   a. applications b. input devices c. operating systems

10 .... can be an effective tool to present material in the classroom.

a. MS Excel b. MS PowerPoint c. Google Chrome

11 What is the program used to write a CV (resume)?

a. Screen magnification b. Word program

c. Speech synthesizer

(محافظة الإسكندرية-إدارة المنتزه2-(نموذج1) 2023)

12 All the following are operating systems that enable you to use your device, except ....

a. Windows b. email c. Android

13 The operating system sends .... to the CPU to be processed.

a. data b. information c. neither of them

14 A program that creates a slideshow is called ....

a. MS Word b. MS PowerPoint c. MS Excel

(محافظة الإسكندرية – إدارة شرق 2023)

15 The function of the central processing unit (CPU) is to ....

a. change information to useful data

b. change bad information to useful information

c. change data to useful information

2 Put (✓) or (✗):

1 The central processing unit (CPU) is a type of software. (   )

(محافظة الشرقية – إدارة هيها 2023)

2 Microsoft PowerPoint helps you present information in creative ways. (   )

3 Google is the most famous operating system. (   )

(محافظة الجيزة – إدارة الهرم 2023)

4 Word processing software is a type of device. (   )

5 The operating system is considered software, while the CPU is considered a hardware component. (   )

6 The operating system is not necessary to deal with the computer. ( )

(محافظة الشرقية - إدارة ههيا 2023)

7 Android is one of the most famous operating systems. ( )

8 The personal computer converts information into data. ( )

9 When you work on a computer, you should save your work regularly. ( )

10 A screen and keyboard help you operate your personal computer. ( )

11 The screen helps in processing data. ( )

(محافظة كفر الشيخ - إدارة كفر الشيخ 2023)

12 Google Chrome enables you to download any file from any website offline. ( )

13 The CPU sends data to the operating system to be processed. ( )

3 Arrange the following stages:

1 The operating system sends the image data to the CPU. ( )

2 The CPU converts data into information. ( )

3 The student places an image in Microsoft PowerPoint. ( )

4 It displays it on the screen. ( )

5 The CPU is processing the image data. ( )

6 The CPU sends information to the operating system. ( )

7 The operating system receives information. ( )

4 Complete the following diagram using the words in the box:

(Data - Output device - Input device - CPU - Information)

.... → .... → .... → .... → ....

5 Look and complete:

Write the words from the box in the correct column.

(CPU - Gaming apps - Google Chrome™ browser - Keyboard
PowerPoint® - Microsoft Word® - Screen - Windows®)

Hardware	Operating Systems	Application Software
....	....	....



6 Read the steps and match them to the image. Write the letter:



a



b



c



d

1. You open the program and start typing. (   )
2. The program receives the data and tells the operating system to interpret it. (   )
3. The CPU receives the data from the operating system and processes it. (   )
4. After the operating system sends the information to the program, the program puts the information on the screen. (   )

Exercises on Lesson 5

1 Choose the correct answer:

1. People who have trouble hearing can use ....
   a. hearing aids b. screen zoom c. sporting tools

(محافظة الإسكندرية – إدارة شرق 2023)

2. The assistive technology is a type of technology that helps people with ....
   a. mental problems b. physical injuries c. disabilities

3. Albert Lin uses a .... that enables him to move and explore new places.
   a. wheelchair b. prosthetic leg c. hearing aid

4. .... is software that is used to assist the visually impaired.
   a. Earphones b. Screen enlargement
   c. Alternative communication software

(محافظة بورسعيد – إدارة شمال 2023)

5. Prosthetic legs and wheelchairs help people with ....
   a. hearing troubles b. movement disabilities c. poor vision

6. Screen magnification software is very important for ....
   a. blind people b. deaf people
   c. visually impaired people

7. Alternative communication software helps people with .... disabilities.
   a. speech b. movement c. seeing

8. A football that makes noise is useful for ....
   a. people with hearing troubles
   b. people with movement disabilities
   c. visually impaired people

9. .... is/are prosthetic limbs designed for running to help people with amputated legs.
   a. Braille terminal b. Hearing aids c. Running blades

10 Screen magnification software is used to help people who have ....
a. hearing impairment b. poor vision c. limb loss

(محافظة الإسكندرية – إدارة المنتزه 2 - (نموذج1) 2023)

11 .... allow climbers with limb differences to climb mountains.
a. Running blades b. Paraclimbing tools c. Hearing aids.

12 The .... can change text into audio and vice versa.
a. speaker b. microphone
c. alternative communication software

13 Stephen Hawking has used .... to help him communicate.
a. microphone b. braille terminal c. speech synthesizer

14 Screen magnification software enables ....
a. showing information b. hearing information c. printing papers

(محافظة الدقهلية – إدارة طلخا التعليمية 2023)

15 .... help people with limb differences to go about their daily lives.
a. Hearing aids b. Prosthetic legs c. Braille terminal

16 Stephen Hawking has used assistive technology, such as a .... to move around more easily.
a. running blades b. motorized wheelchair c. speech synthesizer

17 A handbike that has 3 wheels is useful for people who have ....
a. trouble hearing b. vision problems c. limb differences

2 Put (✓) or (✗):

1 Albert Lin uses a prosthetic leg that enables him to talk and. ( )

2 Assistive technology is a technology that helps people with determination in their daily lives. ( )

3 Magnification software is an assistive technology. ( )

(محافظة سوهاج – الإدارة التعليمية 2023)

4 Modern hearing aids can be connected to mobile devices. ( )

5 Stephen Hawking used a robotic wheelchair that was equipped with a system that enabled him to move and talk. ( )

6 Screen magnification software helps people with difficulties. ( )

(محافظة المنوفية – إدارة السادات التعليمية 2023)

7 Assistive technology can help with both ordinary and extraordinary tasks. ( )

Theme 1

8. People who have trouble hearing can adjust their hearing aids using smartphone apps. (   )
9. Alternative communication software allows visually impaired people to interact with a computer. (   )
10. Some programs can change text to speech and vice versa. (   )

3 Write the scientific term:

1. The kind of technology that helps people of determination. (..)
2. A tool that helps people who have trouble hearing to hear. (..)
3. A tool that helps blind people to read. (..)
4. A tool on the computer that enables visually impaired people to see. (..)
5. A tool that helps people who lost one of their limbs. (..)
6. It helps people with speech and language disabilities to communicate. (..)

4 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
People of determination	Can use
1. Blind person	a. Screen magnification software
2. People with hearing disabilities	b. Prosthetic device
3. Visually impaired person	c. Alternative communication software
4. Person with language disability	d. Medical hearing aids
5. Person with a limb difference	e. Braille method

1 .... 2 .... 3 .... 4 .... 5 ....

5 Read and complete:

How can each of these assistive technologies be useful for people? Who might find them most useful?

1. Sports balls that make a noise

   ....

2. Cell phones with large buttons

   ....

3. Hearing aids

   ....

4. Screen magnification software

   ....

5. Motorized wheelchairs

   ....

6 Read and complete:

Put these steps in order. How did Stephen Hawking make use of speech synthesizer technology?







1. When I have made a sentence, the computer sends it to a speech synthesizer. ( )
2. I look at a screen. There are words on the screen. ( )
3. I can press a switch in my hand. In this way, I select the words. ( )
4. The speech synthesizer changes the words into an artificial voice, so people can hear what I want to say! ( )
5. I can't speak, so I communicate using a computer system in my wheelchair. ( )

Exercises on Lesson 6

1 Choose the correct answer:

1. ICT tools, such as .... can help you do a lot of tasks.
   a. computers b. MS Word c. both of them
2. Most ICT problems can be solved by ....
   a. pressing Del+Alt+Ctrl
   b. checking connection c. restarting the device
3. If the ...., you might need to check if the keyboard cable is connected or not.
   a. mouse isn't working b. keyboard isn't working c. screen freezes

   (محافظة القاهرة – إدارة الشروق 2023)
4. In case you couldn't open an application, you should ....
   a. restart your device b. replace the mouse c. replace the keyboard
5. You can use .... to write school reports and homework.
   a. MS PowerPoint b. MS Word c. MS Excel
6. Press and hold the "Ctrl + Alt and Del" buttons when ....
   a. you can't find a file b. screen freezes c. an app can't open

   (محافظة الجيزة – إدارة 6 أكتوبر 2023)
7. If an app can't be opened, the following are possible solutions, except ....
   a. updating the app b. reinstalling the application
   c. checking the Search box
8. The command responsible for closing all the applications on computers or laptops is ....
   a. Del + Alt +Ctrl b. Alt+ Del+ Tab c. Del +Tab+ Shift

   (محافظة بني سويف – إدارة بني سويف التعليمية 2023)
9. If you want to find a file on your PC, you should ....
   a. restart the device b. press Alt + Ctrl +Del
   c. use the Search box

10. If you download a file from the internet to your PC, you can find it in the .... folder.
    a. Downloads b. Pictures c. Documents
11. It is preferable, after repairing or reconnecting the mouse, to ....
    a. press Del+Alt+Ctrl
    b. check electrical connections c. restart the device
12. When you are unable to solve a problem on your computer, you must ....
    a. delete some files from the computer
    b. leave your computer for a while
    c. ask your teacher or family for help

2 Put (✓) or (✗):

1. If the app won't open, check that your software is up to date. (   )
2. If you can't find a file, you should restart your computer. (   )
3. Press Del + Alt + Ctrl if the mouse is not working. (   )
4. Using the Search box helps you find any file on your PC. (   )
5. If you are unable to open an application on your laptop, uninstalling and reinstalling the application may solve this issue. (   )
6. The first thing you should do when you have a problem with your computer is to ask your teacher for help. (   )
7. It is better to restart your computer after checking the keyboard connection. (   )
8. If the app still won't open, restart your computer and try again. (   )

(محافظة كفر الشيخ – إدارة كفر الشيخ 2023)

9. ICT can help you to write your homework and play games. (   )
10. Removing the Word program from your device helps solve most problems. (   )

3 Complete the following sentences using the suitable words between the brackets:

(find a file - screen freezes - app won't open - pointer doesn't work)

1. Press and hold the "Ctrl + Alt and Del" buttons when ....
2. Uninstall and reinstall the app when the ....

3. Do a search using the Search box next to the Start button to ....

4. Check the mouse connection to the motherboard when the ....

4 Decide what the problem is based on the solution provided:

Solution	Problem
1. Press and hold the "Ctrl", "Alt", and "Del" buttons.	....
2. Do a search using the Search box next to the Start button.	....
3. Restart your computer and try opening it again.	....
4. Uninstall and reinstall the app.	....

5 Read and answer:

Suggest solutions to these ICT problems.

1. Sara is doing her homework on her Windows® PC. Suddenly, the screen freezes. She presses and holds the "Ctrl", "Alt", and "Del" buttons, but that doesn't work. What else could she try to do?

....

....

2. Maged wants to send a file to his friends, but he can't find it on his Windows® PC. What solutions could he try?

....

....

3. Reem wants to listen to music on her favorite music app on her laptop. However, when she clicks on it, it doesn't open. What solutions could she try?

....

....

General Exercises



▸ If you got ● you need to revise the lesson again.

ممتاز ● جيد جدا ● جيد ● غير جيد ●

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على ● [غير جيد] قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

1. Previous Exams تدريبات من الامتحانات السابقة

1 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. The Ground Penetrating Radar device is used to find objects under the surface of the earth. [إدارة جهينة التعليمية - سوهاج] ( )
2. Magnetometer is used to discover metals underground. [إدارة العجمي - اسكندرية] ( )
3. The engineers relied on the magnetometer to locate the construction sites. [إدارة العجمي - اسكندرية] ( )
4. GPS is used to find the location of places you might need to visit. [إدارة المنيا - المنيا] ( )
5. Magnetometer is used to determine places via satellites. [إدارة دير مواس - المنيا] ( )
6. The Global Position System (GPS) is connected to satellites to determine locations. [المنيا - إدارة سمالوط] ( )
7. 📖 The taxi driver relies on the GPS (Global Positioning System) device. [المنوفية - قويسنا] ( )
8. The tourist depends on the penetrating radar to locate the different places. [المنوفية - إدارة السادات] ( )

2 Choose from column (A) what suits it in column (B).

(A)		(B)
1. GPS [إدارة جهينة التعليمية - محافظة سوهاج]	☐	a. take photographs.
2. Magnetometer is used to	☐	b. discover metals underground.
	☐	c. helps to find the location of the places you want to visit. [إدارة جهينة التعليمية - سوهاج]

3 Choose the correct answer from a , b, c or d.

1. .... is used to locate things via satellite. [المنوفية - شبين الكوم]
   a. GPR b. GPS c. Magnetometer d. Metal
2. 📖 The .... is used to detect old coins underground. [القاهرة - إدارة حدائق القبة]
   a. Magnetometer b. GPS c. GPR d. Drone

4 Complete the following sentences with the appropriate words between brackets.

(GPR – GPS - Magnetometer)

1. Tourists depend on .... to determine the locations.
2. .... is a device that detects metal underground.

2. El Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a, b, c or d.

1. Albert Lin is an ....
   a. explorer b. archaeologist c. engineer d. both (a) and (b)
2. By using the archaeological tool, we can save ....
   a. time only b. effort only c. time and effort d. none of them
3. 📖 We use .... to determine the locations.
   a. GPS b. GPR c. RAM d. magnetometer
4. .... is used to discover objects buried underground.
   a. GPS b. GPR c. magnetometer d. IT system
5. The .... measures a magnetic field. It can find metal underground.
   a. Magnetometer b. Satellite c. Drone d. GPS
6. 📖 .... is used to take photos above the ground.
   a. Magnetometer b. Satellites c. GPR d. ICT

6 Read and correct the words between brackets.

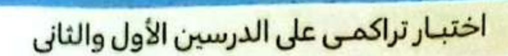
1. (Drones) are used for finding an object underground. (...................)
2. GPR stands for Ground Penetrating (System). (...................)
3. (GPS) is used to search for metals under the ground. (...................)
4. Albert Lin is an (engineer). (...................)
5. (GPN) stands for Global Positioning System. (...................)

7 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. Albert Lin uses modern technological tools. (   )
2. GPR is used to search for a specific location above the ground. (   )
3. Albert Lin is an archaeologist. (   )
4. 📖 Drones are used to photograph specific places. (   )
5. Satellites are used underground. (   )
6. Archaeologists use one type of tools. (   )
7. Through using of technological tools, scientists have been able to save time, effort and cost. (   )

Accumulative Test

On Lessons 1 & 2



1 Choose the correct answer from a, b, c or d.

1. During the .... Age, people started to communicate through pictures.
   a. Pre-Mechanical b. Mechanical c. Electro-Mechanical d. Electronic
2. Pascaline appeared during the .... Age.
   a. Pre-Mechanical b. Electronic
   c. Mechanical d. Electro-Mechanical
3. Using technological tools helps archaeologists to explore ....
   a. new people b. archaeological sites
   c. satellites d. plants
4. The .... Age is known as information Age.
   a. Pre-Mechanical b. Mechanical
   c. Electronic d. Electro-Mechanical

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. The ancient people communicated with each other via pictures and symbols. ( )
2. GPR is used to search for a specific location above the ground. ( )
3. Archaeologists rely on two types of tools (above ground, underground). ( )
4. EKB (Egyptian Knowledge Bank) a source of trusted online information. ( )

3 Complete the following sentences with the appropriate words between brackets.

(Laptops - Electro-Mechanical - Electronic - Mechanical)

1. Printing processes appeared in the .... Age.
2. Electricity was used for the first time in .... Age.
3. .... , Satellites and GPS appeared in the Electronic Age.

4 Read and write the name of the device.

1. It's used to find the location using satellite. (......................)
2. This measure a magnetic field to find metal underground. (......................)
3. This can discover objects underground. (......................)

يمكنك المراجعة باستمرار (تراكمية)
من خلال الصفحة السابقة.

General Exercises
On Lesson 3


▸ If you got ● you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على ● [غير جيد] قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.



1. Previous Exams تدريبات من الامتحانات السابقة

1 **Choose the correct answer from a, b, c or d.**

1. .... is a way that converts letters into prominent symbols that can be read by touching. [بني سويف - الواسطى ٢٠٢٣]
   a. Internet b. Speech synthesizer c. Braille d. Speakers
2. The .... allows us to output the text and images on paper. [البحيرة - التحرير ٢٠٢٣]
   a. printer b. scanner c. speaker d. screen
3. 📖 One of the devices that you need to type on the computer is the .... [البحيرة - الدلنجات ٢٠٢٣]
   a. keyboard b. microphone c. speakers d. camera
4. The computer is used for .... [القاهرة ٢٠٢٣]
   a. writing documents b. sending e-mail
   c. both (a) and (b) d. non of them
5. 📖 You can move things easily with the .... [الجيزة - أوسيم ٢٠٢٣]
   a. screen b. mouse c. microphone d. speakers
6. All of the following are input units except the .... [الاسكندرية - العجمي ٢٠٢٣]
   a. mouse b. keyboard c. screen d. camera

2 **Put (✓) in front of the correct sentence and (×) in front of the wrong one.**

1. A computer is a machine processing data into valuable information. It also has the ability to store and retrieve them. [بني سويف - الواسطى ٢٠٢٣] ( )
2. The scanner is used to print images from your computer on paper. [الإسماعيلية ٢٠٢٣] [الجيزة - أبو النمرس ٢٠٢٣] ( )
3. 📖 Braille transforms letters into prominent symbols that can be read by touching. [الجيزة - أبو النمرس ٢٠٢٣] ( )
4. The screen is an output device. [أسيوط - البدارى ٢٠٢٣] ( )

3 **Complete the following statements with appropriate words in brackets.**

(microphone – screen – computer – keyboard)

1. The .... enables you to write letters and numbers. [البحيرة - إيتاى البارود ٢٠٢٣]
2. The .... enables you to enter sounds into computer. [الجيزة - الحوامدية ٢٠٢٣]
3. 📖 The .... is an electronic device that receives data and process it into information. [الجيزة - ٦ أكتوبر ٢٠٢٣]
4. The .... displays photos and videos. [الجيزة - كرداسة ٢٠٢٣]

4 Match.

(A)

1. It's used to input sounds (الجيزة - كرداسة ٢٠٢٣)
2. It is used to input texts and images from paper into the computer. (الجيزة - أبو النمرس ٢٠٢٣)
3. It enables me to write letters and numbers. (الجيزة - [illegible] ٢٠٢٣)

(B)

a. scanner.
b. keyboard.
c. microphone.

2. El-Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a, b, c or d.

1. If you want to write on the computer, you need a ....
   a. keyboard b. mouse c. printer d. camera
2. The computer .... shows what you and the computers do.
   a. screen b. keyboard c. scanner d. none of them
3. The device which is used in typing text with Braille for blind people is the ....
   a. braille terminal b. keyboard c. screen reader d. mouse
4. To listen to music, we need ....
   a. a mouse b. speakers c. a screen d. a printer
5. You can use computer to ....
   a. play games b. browse internet c. both of them d. none of them
6. A .... is used to print the text and images on paper and considered one of the output units.
   a. speaker b. screen c. printer d. mouse

6 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. The shape of the computer differs according to the device's model and the manufacturing date. (   )
2. A laptop is like a personal computer in all components. (   )
3. We use microphones in chat programs to input the sound. (   )
4. Speakers are one of the output units. (   )

7 Read and write the device.

1. We use it to type and to tell the computer what to do. (..................)
2. It's used to print images from your computer on paper. (..................)
3. We use them to hear others. (..................)
4. We can use it to write a text in Braille for blind people. (..................)



General Exercises

On Lesson 4



▸ If you got ● you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على ● (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة

1. Previous Exams تدريبات من الامتحانات السابقة

1 Choose the correct answer from a, b, c or d.

1. .... is considered from the hardware components of computer.
   a. PowerPoint b. Browser
   c. CPU d. Microsoft Word (الإسكندرية - المنتزه ٢٠٢٣)
2. Word processing program like Microsoft Word, is a type of ....
   a. information b. hardware c. software d. games (الدقهلية ٢٠٢٣)
3. The component responsible for entering the data to the computer is the .... (الدقهلية - دكرنس ٢٠٢٣)
   a. printer b. speaker c. keyboard d. ROM
4. 📖 One of the devices that word processing software needs to write on your computer is the .... (الدقهلية - منية النصر ٢٠٢٣)
   a. keyboard b. printer c. speaker d. hardware
5. Windows is one of the most popular .... (القاهرة - المعصرة ٢٠٢٣)
   a. applications b. operating systems
   c. program languages d. hardware

2 Put (✓) in front of correct sentence and (×) in front of the wrong one.

1. CPU is a type of software. (الدقهلية - ميت غمر ٢٠٢٣) / (المنيا ٢٠٢٣) ( )
2. The operating system is necessary to run the computer. (الشرقية - ههيا ٢٠٢٣) ( )
3. 📖 The CPU processes and sends information to the operating system. (البحيرة - إيتاي البارود ٢٠٢٣) ( )

3 Complete the following sentences with appropriate words in brackets.

(operating system – software – CPU)

1. .... is used to process data. (الإسكندرية - العجمي ٢٠٢٣)
2. Microsoft Word is a type of .... but CPU is a type of hardware. (الدقهلية - ميت النصر ٢٠٢٣)

4 Match.

(A)	(B)
1. Windows is a famous (الجيزة - 6 أكتوبر ٢٠٢٣)	☐ a. the CPU.
2. The operating system sends data to (الأقصر ٢٠٢٣)	☐ b. and shows it on the screen.
3. The operating system receives the information (قنا - دشنا ٢٠٢٣)	☐ c. operating system.

2. El Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a, b, c or d.

1. .... program is used for writing reports.
   a. Paint b. Microsoft Word c. Powerpoint d. Android
2. The CPU is one of the computer ....
   a. software b. operating systems c. hardware d. Powerpoint
3. The operating system receives the information from CPU and shows it on the ....
   a. keyboard b. screen c. mouse d. scanner
4. Microsoft Word is a type of computer ....
   a. software b. operating system c. hardware d. RAM

6 Put (✓) in front of correct sentence and (x) in front of the wrong one.

1. Windows is one of the most famous computer operating systems. ( )
2. CPU is used to process information and convert it into data. ( )
3. Screen and mouse are types of computer programs (software). ( )

7 Look and complete.

• **Write the following words in the correct column.**

(CPU - Android - Google Chrome - Keyboard - PowerPoint - Windows)

Hardware	Operating system	Application software
....	....	....
....	....	....

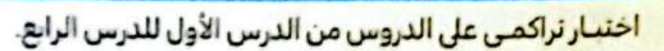
8 Read and write the name of the app.

1. It's a type of hardware that processes the data. (......................)
2. It receives the information and shows it on the screen. (......................)
3. They're the most famous operating systems. (......................)
4. It's a type of computer hardware. (......................)

قم بتلوين الدائرة باللون المناسب لمستواك. ○

Accumulative Test

On Lessons 1,2,3 & 4



1 Choose the correct answer from a, b, c or d.

1. If you want to write on the computer, you need a ....
   a. keyboard b. mouse c. printer d. screen
2. 🕮 .... is used by blind people to read.
   a. Braille terminal b. Keyboard c. Screen reader d. Camera
3. You can use the computer to ....
   a. play games b. store files
   c. browse the internet d. all of them
4. .... is used to send data to the CPU.
   a. RAM b. The Operating System
   c. The keyboard d. scanner

2 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. 🕮 Windows is one of the most famous computer operating systems. ( )
2. A laptop is like a personal computer in all components. ( )
3. Keyboard, mouse, touch screen and camera are devices for inputting data to the computer. ( )
4. Google chrome is used to input data to the computer. ( )
5. Drones are used to photograph specific locations. ( )

3 Read the function and write the component.

1. It's used to print a text and images. (...............)
2. It's used to send data to the CPU. (...............)
3. It's a hardware unit that help to input letters and numbers. (...............)
4. It's used by blind people to read. (...............)



يمكنك المراجعة باستمرار (تراكمية)
من خلال الصفحة السابقة.

General Exercises

On Lesson 5



▸ If you got ● you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على ● [غير جيد] قم بمراجعة الدرس مرة أخرى من الصفحة السابقة

1. Previous Exams تدريبات من الامتحانات السابقة

1 Choose the correct answer from a, b, c or d.

1. Technology that helps people of determination to carry out their daily tasks easily is called .... [الفيوم - غرب الفيوم ٢٠٢٣]

   a. magnetometer b. assistive technology
   c. operating system d. software

2. Alternative communication software helps people with .... disabilities. [البحيرة - إيتاي البارود ٢٠٢٣]

   a. speech b. movement c. seeing d. hearing

3. 🕮 A .... helps people of determination (of a missing limb) to practice their daily life. [الإسماعيلية ٢٠٢٣]

   a. prosthetic leg b. keyboard c. camera d. Hearing aid

4. The .... help people who suffer from hearing problems. [الجيزة - الدقي ٢٠٢٣]

   a. hearing aids b. operating system c. GPS d. handbikes

2 Put (✓) in front of correct sentence and (x) in front of the wrong one.

1. Albert Lin uses a prosthetic leg that enables him to talk and communicate. ( ) [الشرقية ٢٠٢٠]
2. Hearing aids are one of the prosthetic devices for people with hearing disabilities. [بني سويف - ببا ٢٠٢٣] ( )
3. 🕮 Screen magnification software is an assistive technology. [الدقهلية ٢٠٢٣] ( )
4. Assistive technology is a technology that helps people of determination go about their daily lives. [الجيزة - البدرشين ٢٠٢٣] ( )

3 Complete the following sentences with appropriate words in brackets.

(assistive – Football – Stephen Hawking)

1. .... is a scientist. [بني سويف ٢٠٢٣]
2. People of determination use different kinds of .... technology [أسوان ٢٠٢٣]
3. .... players can use a ball that make noise. [الغربية - شرق المحلة ٢٠٢٣]

4 Match.

(A)	(B)
1. Assistive technology [المنوفية - قويسنا ٢٠٢٣]	( ) a. Prosthetic device.
2. Person with a limb difference can use [السويس ٢٠٢٣]	( ) b. is used by people of determination to do daily work.

2. El-Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a, b, c or d.

1. .... software enlarges everything on a computer.
   a. Hearing aids b. Screen Magnification
   c. Sport tool d. Running blades
2. Albert Lin has a limb difference and he uses ....
   a. prosthetic leg b. hearing aids
   c. none of them d. both of them
3. 🕮 .... helps people with speech and language disabilities communicate with others.
   a. Sporting tools b. Hearing aids
   c. Alternate communication software d. prosthetic leg
4. Stephen Hawking was a famous scientist who used assistive technology to help him to .... with others.
   a. communicate b. play c. eat d. need

6 Put (✓) in front of correct sentence and (x) in front of the wrong one.

1. Hearing aids is a software enlarges everything on a computer. ( )
2. Paraclimbing tools allows climbers with limb difference to climb mountains. ( )
3. 🕮 Stephen Hawking was a famous archaeologist. ( )

7 Read and circle the correct one.

My cousin has trouble hearing. He uses **(hearing aid / sports tool)** to help him. Models can now be connected to a person's **(computer / mobile device)**. So, he always use his phone.



General Exercises
On Lesson 6



▸ If you got ● you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على ● [غير جيد] قم بمراجعة الدرس مرة أخرى من الصفحة السابقة

1. Previous Exams تدريبات من الامتحانات السابقة

1 Choose the correct answer from a, b, c or d.

1. If the ...., make sure the keyboard cable is connected or not. [القاهرة - الشروق ٢٠٢٣]
   a. mouse isn't working b. app won't open
   c. screen freezes d. keyboard isn't working
2. To find a file on your computer, you need to ....
   a. shut down your computer b. use the search box
   c. press Del +Alt d. replace the mouse [المنوفية - شبين الكوم ٢٠٢٣]
3. Press and hold the "Ctrl" + " Alt" + " Del" buttons when .... [الجيزة - ٦ أكتوبر ٢٠٢٣]
   a. the screen freezes b. you can't find a file
   c. an app won't open d. the keyboard isn't working

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. If you can't find a file, you should restart your computer. [القاهرة - شرق مدينة نصر ٢٠٢٣] ( )
2. Restarting the device helps solve some problems. [الإسماعيلية ٢٠٢٣] ( )
3. If the keyboard doesn't work, you must use the search box. [الجيزة - كرداسة ٢٠٢٣] ( )

3 Match.

(A)	(B)
1. Responsible for closing computer applications. [سوهاج - طهطا ٢٠٢٣]	☐ a. uninstall and reinstall the app.
2. If an app won't open, [المنوفية - السادات ٢٠٢٣]	☐ b. try to Power off your computer.
3. If your screen freezes, [الدقهلية ٢٠٢٣]	☐ c. Ctrl + Alt + Delete

4 Complete the following sentences with appropriate words in brackets.

(ICT tools – your screen freezes – restart the device)

1. If you couldn't open an application, you should .... [القاهرة - الزيتون ٢٠٢٣]
2. The computer, the laptop and the tablet are .... [الجيزة - كرداسة ٢٠٢٣]
3. Press and hold Ctrl + Alt + Del buttons if .... [البحيرة - التحرير ٢٠٢٣]

2. El Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a, b, c or d.

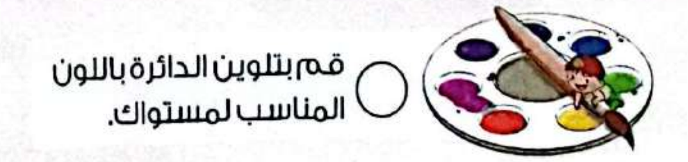
1. The .... is from the ICT devices.
   a. mobile b. laptop c. both (a) and (b) d. handbike
2. To solve the problem if the screen freezes, press............... at the same time.
   a. Ctrl + Shift + Delete b. Ctrl + Alt + Delete
   c. Home Button d. Folder
3. 🕮 We use the .... to find a file or folder on the computer.
   a. Search box b. internet browser c. printer d. app

6 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. The ICT tools can help you to do one task only. ( )
2. The tablet and laptop considered ICT tools for gaming only. ( )
3. We can use computers to write reports and play games. ( )

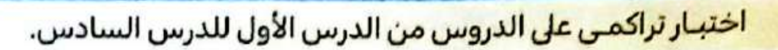
7 Read and tick (✓) the correct solution.

1. My app still won't open.
   - ☐ Shut down your computer.
   - ☐ Check that your software is up to date.
2. 🕮 My mouse cursor isn't working.
   - ☐ Check the mouse connection to the cable and restart the device.
   - ☐ Press and hold the "Ctrl" , "Alt" and "Del" together
3. My keyboard isn't tying.
   - ☐ There might be a defect in it and you might need to replace it.
   - ☐ Check your downloads folder.



Accumulative Test

On Lessons 1, 2, 3, 4, 5 & 6



1 Choose the correct answer from a, b, c or d.

1. Albert Lin has a limb difference and he uses ....
   a. assistive technology
   b. hearing aids
   c. both (a) and (b)
   d. handbikes

2. To solve the problem of screen freezes, press .... at the same time.
   a. Ctrl + Shift + Delete
   b. Ctrl + Alt + Delete
   c. Home Button
   d. none of them

3. By using the archaeological tool, we can save ....
   a. time only
   b. effort only
   c. time and effort
   d. none of them

4. .... helps people who have trouble hearing.
   a. Alternate communication
   b. Hearing aids
   c. Sporting tools
   d. handbike

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. The tablet and laptop are considered ICT tools. ( )
2. Assistive technology helps people of determination. ( )
3. Hearing aid is a software that enlarges everything on a computer. ( )

3 Read and circle the correct usage of the following.

1. Prosthetic devices
   - to change the words into artificial voice.
   - to help people who have lost their limb.

2. Microphone
   - to write letters and numbers.
   - to allow people to input sound and music.

3. Drones
   - find the location
   - take photographs using satellite.



يمكنك المراجعة باستمرار (تراكمية)
من خلال الصفحة السابقة.



Monthly Assessments

التقييمات الشهرية



1 October Test

1 Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. If the mouse cursor isn't working, you must check cables connection. ( )
2. The G.P.R is used to find bodies underground. ( )
3. Electronic Devices were important for all people in the society in different life sides. ( )
4. The G.P.R is used for discovering the buried mummies in the pharaonic age. ( )
5. The Electronic Age expands to our present days because of the continuous inventions. ( )
6. We can operate the computer without an operating system. ( )
7. The assistive technology helps people of determination practice their daily life. ( )

2 Choose the correct answer from a , b, c or d.

1. .... Devices enter the data into the computer.
   a. Input b. Output c. C.P.U d. Computer
2. .... is considered one of the most famous operating system.
   a. Word b. Excel c. Windows d. Google
3. .... is / are one of the inventions of the electronic Age.
   a. Electricity b. Pascaline
   c. Satellites d. Pictures and paintings
4. You can type a research or a report using ....
   a. Word b. windows c. Google Chrome d. downloads
5. .... can change letters into raised dots so that we can read them by touching.
   a. Head phones b. Screen c. Braille terminal d. Artificial limbs
6. The electronic device which processes the data and changes them into information is the ....
   a. computer b. software c. printer d. keyboard
7. When you can't open the Excel programs first you must ....
   a. shut down the device b. update the program
   c. replace the program d. replace the keyboard
8. People of determination depend on .... to make their daily life easy.
   a. screen b. scanner
   c. assistive technology d. radar devices



EL MOTAMYEZ - ICT Questions Bank

REVISION on Lesson 1 : 6

QUESTION 01 CHOOSE THE CORRECT ANSWER

1. Archaeologists use ground penetrating radar to ....
   - (a) Locate objects aboveground
   - (b) explore objects underground
   - (c) determine direction of any location

2. When you are unable to solve some problem on your computer you must .
   - (a) Delete some files from computer
   - (b) Leave your computer for a time
   - (c) ask your teacher or a family to help you

3. What is the first step done by the archaeologist to explore any new location?
   - (a) He uses drones to search things above the ground
   - (b) He uses GPS to go to the location
   - (c) He uses satellites to know the location

4. You can use .... to write school reports and Home work.
   - (a) MS PowerPoint
   - (b) MS word
   - (c) MS word

5. .... appeared before mechanical age while .... appeared after it.
   - (a) Pencils - Pascaline
   - (b) Abacus - telephone
   - (c) Parchment - Typewriter

6. When there's a problem opening one of the Apps on your computer, you might need to ....
   - (a) restart your device
   - (b) replace the mouse
   - (c) replace the keyboard

7. Early ancient peoples communicate together by ....
   - (a) Letters
   - (b) symbols
   - (c) numbers

8. If You want to find a file in your pc, you should ....
   - (a) Restart the device
   - (b) Press on Del + Alt + Ctrl
   - (c) Use the Search box

9. .... is used as a mean of communications in the modern times.
   - (a) Pencils
   - (b) Email
   - (c) GPS

10. Alternative communication software help people of .... disabilities.
    - (a) speech
    - (b) movement
    - (c) seeing

11. Pascaline machine is the first version for ....
    - (a) Printer
    - (b) calculator
    - (c) Typewriter

12 Prosthetic legs and wheelchair help people with ....

- (a) hearing troubles
- (b) movement disabilities
- (c) Poor vision

13 The timeline of the technological evolution is ....

- (a) Word - pens - Typewriter
- (b) Typewriter - pens - Word
- (c) pens - Typewriter – Word

14 The function of central processing data (CPU) is to..............................

- (a) Changing information to useful data
- (b) Changing bad information to useful information
- (c) Changing data to useful information

15 The computer's shape doesn't depend on its ....

- (a) model
- (b) software
- (c) manufacture date

16 .... is considered the door to the internet that enables you to search for any information.

- (a) Power point
- (b) Google chrome
- (c) Microsoft Word

17 One of the devices that word processing software needs to write is ....

- (a) Speaker
- (b) mouse
- (c) keyboard

18 the..................is used to output texts and image to paper.

- (a) Screen
- (b) Scanner
- (c) Printer

19 .... enables you to take the audio clips out of the computer.

- (a) The mouse
- (b) The speaker
- (c) The screen zoom software

20 .... is used to select, insert or drag a file on the computer.

- (a) Mouse
- (b) Printer
- (c) Scanner

21 .... are input devices of the computer hardware

- (a) Keyboard, mouse and speaker
- (b) Camera, scanner and microphone
- (c) Touch screen, speaker and printer

22 All the following are from input devices of the computer components except the ......

- (a) Screen
- (b) Microphone
- (c) Keyboard

23 the................. allow you to enter a sound to your computer.

- (a) Speech synthesizer
- (b) Speaker
- (c) Microphone

24 .... is used to copy paper inside your computer.

- (a) Display screen
- (b) Scanner
- (c) Printer

25 .... is considered from software in the personal computer.

ⓐ Keyboard ⓑ Windows ⓒ Screen

26 The computer is an electronic device that used for .... Online.

ⓐ Processing data ⓑ writing documents ⓒ sending email

27 .... is a great tool that enables you to create your CV.

ⓐ Power point ⓑ Google chrome ⓒ Microsoft Word

28 Printing process for books begins to appear in ....

ⓐ Mechanical age ⓑ Electro-mechanical age ⓒ The electronic age

29 .... sends data to CPU then receives it in a form of information.

ⓐ Windows ⓑ Browser ⓒ keyword

30 The era of electronic revolution was characterized by the existence of ....

ⓐ laptops ⓑ typewriter ⓒ telephones

31 .... had a robotic wheelchair enable him to move.

ⓐ Albert Lin ⓑ Stephen Hawking ⓒ Anika Ullah

32 .... appeared during the mechanical revolution age.

ⓐ Pascaline ⓑ Abacus ⓒ Parchments

33 Screen magnification software is very important for ....

ⓐ Blind peoples ⓑ Deaf peoples ⓒ Visually impaired peoples

34 .... is used to locate metallic bridges underground.

ⓐ Magnetometer ⓑ Drones ⓒ GPR

35 .... is a way that converts letters into raised symbols that can be read by touch.

ⓐ Smartphone ⓑ Touch screen ⓒ Braille method

36 .... and .... are used to get pictures for any region.

ⓐ Satellites and GPS ⓑ Drones and GPS ⓒ Satellites and drones

37 the..................... can change text to audio and vice versa.

ⓐ Speaker ⓑ Microphone ⓒ Alternative communication software

38 A GPS receiver in your phone is connected to .... to determine locations

ⓐ spacecrafts ⓑ rockets ⓒ satellites

39. Which is the following is useless for visually impaired people?

- (a) Motorized wheelchair
- (b) Cell phone with large button
- (c) Screen magnification software

40. Explorer Albert Lin is a / (an) .... that uses modern technology to explore ancient wonders

- (a) doctor
- (b) architect
- (c) archaeologist

41. .... help people with limb difference to go about their daily lives.

- (a) hearing aids
- (b) Prosthetic leg
- (c) Braille terminal

42. Screen magnification software enables ....

- (a) Showing Information
- (b) Hearing the information
- (c) Printing papers

43. The command responsible for closing all the applications on the personal computer or laptops is ....

- (a) Del+Alt+Ctrl
- (b) Alt+del+Tab
- (c) Del+Tab+Shift

44. A Football that makes a noise is useful for ....

- (a) People with hearing troubles
- (b) People with movement disabilities
- (c) Visually impaired people

45. It is preferable to after repairing or reconnecting the mouse to ....

- (a) connect the power charger to the device
- (b) check electrical connections
- (c) restart the device

46. People who have hearing trouble can use .... to interact with a computer.

- (a) Speaker
- (b) Hearing aids
- (c) Synthesizer

47. The following options are possible to solve a keyboard malfunction except

- (a) Replace the keyboard
- (b) Check the Keyboard connection
- (c) press F5 button

48. Albert Lin is a / an ....

- (a) doctor
- (b) architect
- (c) archaeologist

49. .... can be an effective tool to present material in the classroom and encourage student learning

- (a) Excel
- (b) Power point
- (c) Google chrome

50. .... is considered of the hardware components of a computer.

- (a) CPU
- (b) Browser
- (c) Android

51 the..................is used to input texts and image from paper.

a	Screen	b	Scanner	c	Printer

52 The Screen is considered an .... devices while touch screen is considered an .... devices

a	output - output	b	output - input	c	input – input

53 the.................. Is one of the input devices of the computer hardware components.

a	Speaker	b	Printer	c	Scanner

54 the................. is a device that allow non-verbal person to communicate.

a	Microphone	b	Speech synthesizer	c	Speaker

55 The .... is responsible for entering the data into your computer.

a	CPU	b	Keyboard	c	Printer

56 .... is known as "Information explosion age".

a	Mechanical age	b	Electro-mechanical age	c	electronic age

57 Archaeological tools help archaeologist's to ....

a	Know the location of supermarket	b	decide where they can dig	c	communicate with their friends

58 If your friend sent you a what's up message containing his address, this means that he uses ....

a	Ground penetrating radar	b	Global positioning system(gps)	c	Magnetometer

59 the.................... enables us to identify objects buried underground

a	GPR	b	GPS	c	GPA

60 the .... is from the archaeological tools that locate things above the ground

a	Magnetometer	b	Drone	c	Ground penetrating radar

61 .... is known as "Technology revolution age".

a	Mechanical age	b	Electro-mechanical age	c	The electronic age

62 All the following are from operating systems that enable you to use electronic devices except ....

a	Windows	b	email	c	Android

انتهت الأسئلة مع أطيب الامنيات بالنجاح والتوفيق

Answers



EL MOTAMYEZ - ICT Questions Bank

REVISION on Lesson 1 : 6

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doctor	architect	archaeologist

41 .... help people with limb difference to go about their daily lives.

a	b	c
hearing aids	Prosthetic leg	Braille terminal

42 Screen magnification software enables ....

a	b	c
Showing Information	Hearing the information	Printing papers

43 The command responsible for closing all the applications on the personal computer or laptops is ....

a	b	c
Del+Alt+Ctrl	Alt+del+Tab	Del+Tab+Shift

44 A Football that makes a noise is useful for ....

a	b	c
People with hearing troubles	People with movement disabilities	Visually impaired people

45 It is preferable to after repairing or reconnecting the mouse to ....

a	b	c
connect the power charger to the device	check electrical connections	restart the device

46 People who have hearing trouble can use .... to interact with a computer.

a	b	c
Speaker	Hearing aids	Synthesizer

47 The following options are possible to solve a keyboard malfunction except

a	b	c
Replace the keyboard	Check the Keyboard connection	press F5 button

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doctor	architect	archaeologist

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a	b	c
Excel	Power point	Google chrome

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CPU	Browser	Android

51 the..................is used to input texts and image from paper.

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55 The .... is responsible for entering the data into your computer.

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ⓐ Magnetometer ⓑ **Drone** ⓒ Ground penetrating radar

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62 All the following are from operating systems that enable you to use electronic devices except ....

ⓐ Windows ⓑ **email** ⓒ Android

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم



October Revision

Mr. Ahmed Elbasha

(1) Choose the right answer :

1. .... an electronic device whose function is to receive data, process it, convert it into information, and store and retrieve this information at any time.

a. Computer b. Laptop c. Tablet d. all the previous

2. The computer is used for ....

a. Writing documents b. Sending e-mail and surfing the Internet

c. Games d. All the previous

3. .... used for writing on the computer.

a. Mouse b. Keyboard c. Spreadsheet

4. You can create .... on paper or do it use a spreadsheet program.

a. graphs b. oil paintings c. cartoons

5. The .... was used for the first time in the era of the mechanical revolution.

a. GPS b. printer c. graphics

6. Windows is one of the most popular ....

a. application b. operating systems c. program

7. .... of the basic components of a computer.

a. Camera b. central processing unit (CPU) c. keyboard

8. The .... is used to type letters and numbers on the computer.

a. Blogs b. PC c. keyboard

9. .... is a way that converts letters into prominent symbols that can be read by touching.

a. Earpiece b. Screen c. Braille

10. .... is used as a means of communication in modern times.

a. E-mail b. Pencils c. Pens

11. .... are used to communicate with audio and Video.

a. Video calls b. Digital articles c. Digital blogs

12. It is preferable to .... after repairing or reinstalling the mouse to the device.

a. connect the power charger to the device

b. check electrical connections

c. restart the device

13. The component responsible for entering the data for the computer is the ....

a. keyboard b. CPU c. printer

14. The camera and microphone are used in ....

a. published articles b. text messages c. video calls

15. .... is used to express your personal opinions on the internet.

a. Digital blog b. E-mail c. GPS

16. Screen zoom software is used to help people who suffer from ....

a. hearing impairment b. visual impairment c. limb loss

17. One of the devices that word processing software needs to write on your computer is ....

a. keyboard b. the printer c. speakers

18. The era of the electronic revolution was characterized by the existence of ....

a. electricity b. printer c. hierographic symbols

19. One of the advantages of ICT tools is ....

a. data theft

b. helping people with disabilities

c. overuse of electronic devices

20. .... is a device that helps people with hearing impairment.

a. Speakers b. Printer c. Medical hearing aids

21. .... enables you to take the audio clips out of the computer.

a. The mouse b. The speaker c. screen zoom software

22. Information is considered the processing product of ....

a. data b. digital blogs c. e-mail

23. .... program is used to write reports.

a. Screen zoom software b. Word program c. Medical hearing aids

24. The .... is responsible for processing data.

a. printer b. screen c. CPU

25. From the advantages of ICT tools ....

a. Bullying your friends.

b. Helping people of determination

c. Excess usage of electronic devices.

26. Screen magnification software enables ....

a. Showing Information b. Hearing the information c. Printing papers

27. The speaker allows ....

a. Input Audio data. b. Output audio data. c. Printing papers

28. The timeline of technological evolution is ....

a. Word, Pen, Typewriter

b. Typewriter, Pen, Word.

c. Pen, Typewriter, Word.

29. To find location, we can use the ....

a. GPS b. printer. c. mouse

30. .... radar can discover objects buried underground

a. Speakers b. Ground penetrating c. Medical hearing aids

31. During .... , peoples started to communicate through pictures, like hieroglyphics

a. The Mechanical Age.

b. The Pre-Mechanical Age

c. The Electro-Mechanical Age

32. Pascaline which was an early calculator was in .... age

a. Mechanical. b. Pre-Mechanical c. Electro-Mechanical

33. Electricity was first used during the .... age.

a. Mechanical. b. Pre-Mechanical c. Electro-Mechanical

34. .... is an electronic device for processing data and can store information

a. GPS. b. satellite c. computer

35. you can use a computer to ....

a. write documents b. play games c. all the previous

36. .... used to type on computer

a. Mouse b. camera c. Keyboard:

37. .... used to move items easily on the screen

a. Mouse b. camera c. Keyboard

38. At .... you must ensure that the information is correct.

a. data collection b. Showing Information c. Printing papers

39. You type using a mobile phone keyboard ....

a. text messages b. digital blogs c. communication sites

40. .... type of computer that can be carried anywhere

a. laptop b. printer c. hierographic symbols

(2) Put (√) or (X)

1. The use of technology is limited to archaeologists and not to other scientists. ( )
2. The mouse is one of the information output devices ( )
3. Microsoft Word is one of the basic components of the computer. ( )
4. The printer processes the data entered the computer. ( )
5. Every computer must have an operating system. ( )
6. The first computer was discovered in the era of the mechanical revolution. ( )
7. Internet web is not important for obtaining information. ( )
8. The magnetometer is used to determine directions via satellites. ( )
9. Screen zoom software helps people with visual difficulties. ( )
10. CPU is a type of software. ( )
11. The earth's penetrating radar is used to detect underground minerals. ( )
12. Information is the result we get after processing the data. ( )
13. Data entry is the last stage of access to final information. ( )
14. Braille transforms letters into prominent symbols and can be read by touching. ( )
15. You can download files on your device without an internet service. ( )
16. E-mail is used to share data and communication among friends. ( )
17. Choosing search words helps us get the required search results. ( )
18. Word processing software is a type of device. ( )
19. You can see what you're doing in your device by looking at the display screen. ( )
20. Internet helps us in finding the information we want. ( )
21. One of the dangers of the internet is that others can use your personal data. ( )
22. GPS is used to find places you might need to visit. ( )
23. The operating system is not necessary to deal with the computer. ( )
24. Satellites appeared in the era of the mechanical revolution. ( )
25. When someone is blocked, they can see your posts. ( )
26. Global Positioning System (GPS) connects to satellites to determine locations. ( )
27. The Pascaline, is an example of technology from the Pre-Mechanical Age. ( )

28. Electricity was first used during the Electro-Mechanical Age.	( )
29. A keyboard is a device used to output data.	( )
30. We use scanners to transfer text and images from paper to our computers.	( )
31. The Central Processing Unit (CPU) is a type of software.	( )
32. You can collect data from many different sources.	( )

✹(3) TRY TO ANSWER:

1

Complete the following sentences :

(Applications - Operating Systems - Windows - Operating System)

1. Computer software is divided into .... programs and application programs.
2. .... one of the most famous and well-known operating system programs.
3. .... are ready-made, multi-purpose software and services.
4. .... it is the program responsible for operating and managing the

2

Complete the following statements from the brackets:

(search - a member of your family - cable - software update pictures - ICT tools - reboot the computer)

1. If you are unable to open an application, restart your computer and try to open the application again, or ....
2. If you can't type with the keyboard, make sure the keyboard cable is plugged in the right place. Then ....
3. Seek help from .... in case you encounter a problem with your computer at home and are unable to resolve it.
4. If you can't find an image file, search for it in the .... folder.
5. If the mouse pointer does not work, be sure to connect it's .... to the appropriate place.
6. Computer, laptop, and tablet are ....
7. ICT tools help you .... for information on the Internet, or write some reports and assignments related to your studies.

3

(e-mail - screen zoom software - eye fatigue - calculator - CPU)

1- .... helps people with visual impairment read e-books and e-magazines.

2- Spending a lot of time using technology causes ....

3- A means of communication and exchanging messages among work members, which is ....

4- Pascaline machine is the first version of ....

5- .... controls data and the way it is processed.

4

(Personal data – digital blogs– Operating system – Screen zoom software – Microphone)

1- Opinions that express its owner, published on the internet are called ....

2- Your name, address and date of birth are considered ....

3- .... is a tool that helps people with visual impairment to read digital books.

4- .... enables to enter sounds into computer.

5- .... is considered a necessity to allow any computer device to work.

5

(Word – GPS– Operating system – Hearing aids – Restart the device)

1- Tourists depend on .... to determine the location.

2- .... Is necessary to operate any computer.

3- You can write your CV or your research using .... Program.

4- .... Helps people who suffer from hearing problems.

5- In case you couldn't open an application, you should ....

6

A	B
1- Is used to input texts and images from paper into the computer.	a- Browsers
2- Is used to search on the internet.	b- GPS
3- Is used to locate things via satellite	c- Video Calls.
4- Is used to communicate with your friends audio-visually.	d- Scanner.

1- **2-** **3-** **4-**

7

A	B
1- Keyboard	a- Outputs audio data
2- Speaker	b- View visual data as images.
3- Screen	c- Like Name, Address and birthdate.
4- Personal information	d- Inputs Letters and Numbers.

1- **2-** **3-** **4-**

Model Answer

(1) Choose the right answer :

1. A	**8.** C	**15.** A	**22.** A	**29.** A	**36.** C
2. D	**9.** C	**16.** B	**23.** B	**30.** B	**37.** A
3. B	**10.** A	**17.** A	**24.** C	**31.** B	**38.** A
4. A	**11.** A	**18.** A	**25.** B	**32.** A	**39.** A
5. B	**12.** C	**19.** B	**26.** A	**33.** C	**40.** A
6. B	**13.** A	**20.** C	**27.** B	**34.** C	
7. B	**14.** C	**21.** B	**28.** C	**35.** C	

(2) Put (√) or (X)

1. (X)	**7.** (X)	**13.** (X)	**19.** (√)	**25.** (X)	**31.** (X)
2. (X)	**8.** (X)	**14.** (√)	**20.** (√)	**26.** (√)	**32.** (√)
3. (X)	**9.** (√)	**15.** (X)	**21.** (√)	**27.** (X)	
4. (X)	**10.** (X)	**16.** (√)	**22.** (√)	**28.** (√)	
5. (√)	**11.** (X)	**17.** (√)	**23.** (X)	**29.** (X)	
6. (X)	**12.** (√)	**18.** (X)	**24.** (X)	**30.** (√)	

✹(3) TRY TO ANSWER:

1

(1) Operating Systems
(2) Windows
(3) Applications
(4) Operating System

2

(1) software update
(2) reboot the computer
(3) a member of your family
(4) pictures
(5) cable
(6) ICT tools
(7) search

3

(1) screen zoom software
(2) eye fatigue
(3) e-mail
(4) calculator
(5) CPU

4

(1) digital blogs
(2) Personal data
(3) Screen zoom software
(4) Microphone
(5) Operating system

5

(1) GPS
(2) Operating system
(3) Word
(4) Hearing aids
(5) Restart the device

6

1- d **2-a** **3-b** **4-c**

7

1- d **2-a** **3-b** **4-c**

Lesson1
Explorer in action

- Albert Lin is an archeologist (عالم آثار), he thinks of how to explore the archeological sites without digging .
- There are different types of technology that enables archeologists to explore(where to dig and what they will found) .

First :The technology tools used b archaeologists to locate things underground :

1- **The GPR (Ground Penetrating Radar):** is a way to find the buried objects (metals) under the ground.

2- The Magnetometer: is a device that measures the magneticfield under the ground. It can find metal underground.

Second: The technological tools used b archaeologists to locate things above the earth surface :

1- Satellites :
Used for get more details and information about an area.

2- Drones: Discovering a region by the pilot's control over it while he is on the surface of the earth.

3- Global Positioning System (GPS):
Locate something by satellite .



The importance of technological tools for archaeologists is :

- Allow them to explore in (simple – easy – save effort and cost) ways.
- It helps them identify where determine the places they want to search .



Q1: Choose the correct answer from the following options:

1- Archaeologists use this tool to locate things above the ground……………….

a-Ground penetrating radar b- magnetometer c- GPS

2- You want to see if there are any old coins buried underground, you will use ……………

a- magnetometer b-GPS c- drone

3- You receive a message from a friend who is lost and want to try to find them, you will use ………….

a-ground penetrating radar b- GPS c- magnetometer

4- You want to find out if there are any old buildings under the ground, you will use ………..

a-ground penetrating radar b- GPS c- drone

Q2:Put (√) or (×):

1- The Global Positioning System (GPS) is use to explore underground minerals. ( )

2- The engineers relied on the magnetometer to locate the construction sites. ( )

3- Ground penetrating radar is used to detect objects buried underground. ( )

4- The goal of adding Global Positioning System (GPS) to smart phones is to detect the locations. ( )

5- The magnetometer device is used to discover metals underground. ( )

6- The magnetometer is used to determine directions via satellites. ( )

7- GPS is used to find places you might need to visit. ( )

8- Archaeologists use ground penetrating radar to find objects above the ground. ( )

9- Global Positioning System (GPS) connects to satellites to determine locations. ( )

Lesson 3
Components of computer system

- **The computer :**
  - ✓ It is an electronic device work with electricity , its function is to process date
  - ✓ It has the ability to store and process data and information.
- You can use the computer to :
  - Write documents .
  - Send email .
  - Browse the internet .
  - Play games .

Types of computers :

- Personal Computer (PC)
- Laptops
- Tablets devices
- Touch devices .

To be able to use computer you need to :

Keyboard : used for typing and commands are given to the computer .

Mouse : allows you to move things easily with it .

The display screen : allows you to see what you are doing on your computer. (visual information)

Speakers : hear the sounds and music.

A camera : allow others to see you .

A microphone :you can hear others .

We can divide the hardware of a computer into two parts :

1-Input Devices



2-Output Devices



Input Devices	
Component Name	The type of the entered
Keyboard	Letters and numbers
Mouse	Guiding statement
Touch screen	
Microphone	Sounds and music
Camera	Pictures and videos
Scanner	Text and pictures from paper.

Output Devices	
Component Name	The type of the entered
Screen	Visual information , text , image , and video files
Braille terminal	Text written in terminal Braille for the blind
Speaker **Speech synthesizer**	Audio information
Printer	Text and pictures on paper .



Q1:Choose the correct answer from the following options:

1- This component allows output of audio……………………

a-Speaker b-Screen c-Scanner

2- This component allows input of text and images from paper……………

a-Speaker b- Mic c- Scanner

3- This component allows input of audio…………………….

a- Speaker b- Mic c-Screen

4- We use keyboard to enter data then preview information on ………………..

a-Speaker b-Screen c-Scanner

5- ……………………. are used to communicate with audio and image.

a-Video calls b-Digital articles c-Digital blogs

6- The component responsible for entering the data for the computer is the ----

a-keyboard b-CPU c - printer

7- The camera and microphone are used in ------------

a-published articles b-text messages c-video calls

8- is used to copy paper inside the computer.

a-Display screen b- Scanner c-Speech installer

9- One of the devices that word processing software needs to write on your computer is ----

a-keyboard b- printer c-speakers

10- ………………… enables you to take the audio clips out of the computer.

a-The mouse b-The speaker c-The screen zoom software

11- One of the attached devices that you use during video calls is the -----------

a-printer b -scanner c –camera

12- The ………………… is responsible for processing data.

a-Printer b-screen c-CPU

13- The speaker allows ………………

a-Input Audio data b-Output audio data c -Printing papers

Q2.Put (√) or (×):

1-The computer converts information into data. ( )

2- A laptop is larger in size then a personal computer (PC). ( )

3- The microphone is an input device. ( )

4- The printer is an output device. ( )

5- Scanner is used to print images from your computer on paper. ( )

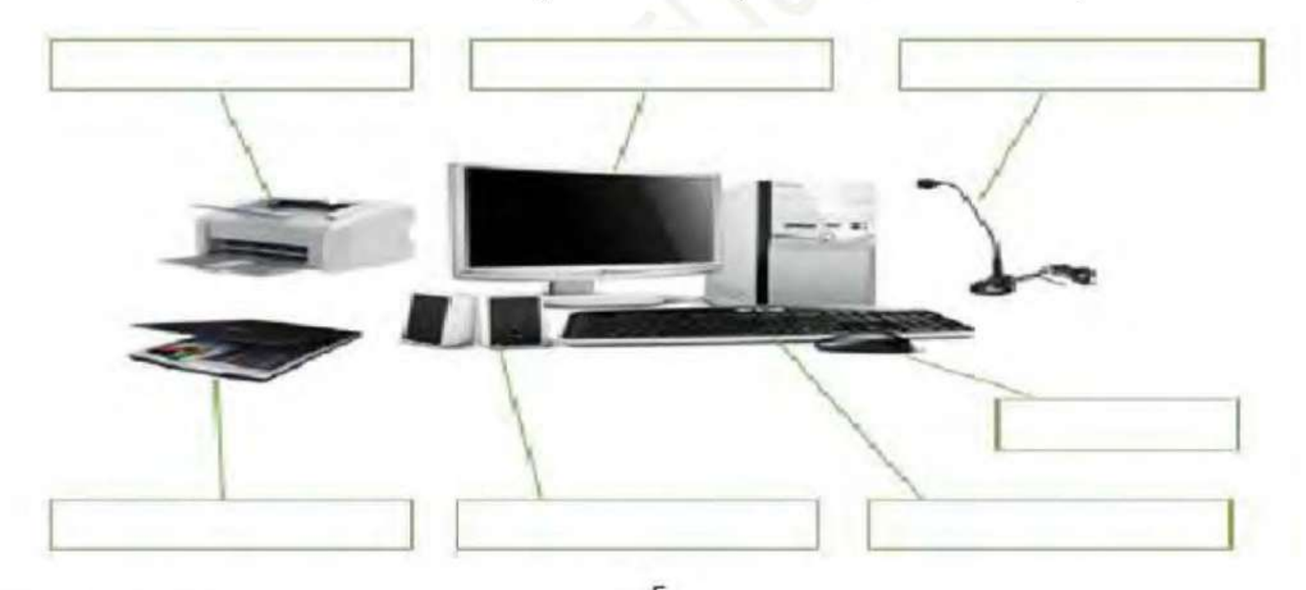
6- A keyboard is a device used to output data. ( )

7- We use scanners to transfer text and images from paper to our computers. ( )

8- You can see what you're doing in your device by looking at the display screen. ( )

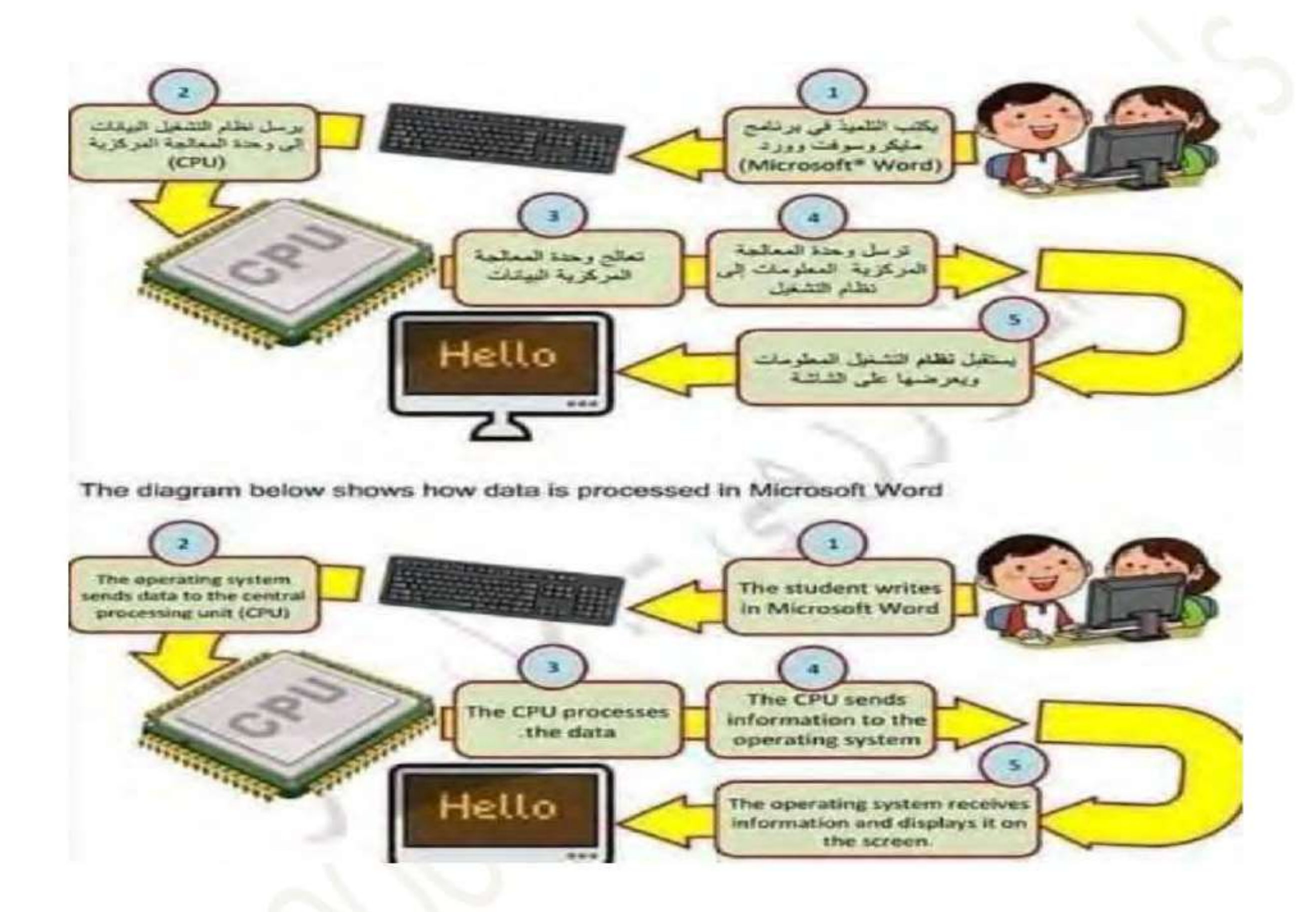
Q3. Put the correct name for the components of the computer:

Printer – Scanner – Screen – Microphone – Keyboard – Mouse – Speakers



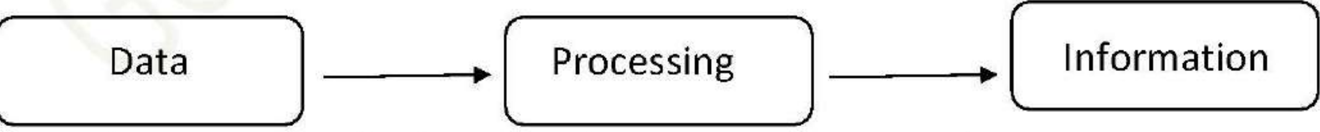
Lesson 4
Software and operating systems

How the computer process data ?



How does the computer communicate with and carry out your commands ?

- We often use our devices for different goals , we use it to play , take note or browse the web .
- The application gives the command to your computer's operating system to access and open the program.



1- The program tells the operating system to access the program and open it.

2- The operating system talks to the CPU (Central processing unit)

3- CPU (Central processing unit): controls what and how data is processed.

4- CPU is a type of hardware & Word processing program is a type of software.

- **Windows :** it a computer operating system that runs various applications and manages all devices connected to the device.



- **Microsoft office word :** one of the best office programs used for writing topics , reports and articles .
- **Microsoft office excel :** it is used to do many different types of arithmetic operations , and it can also be used to create and design digital data tables.
- **Microsoft office power point :** it is used in making presentations for programs and designing some written advertisements for electronic companies .
- **Gaming apps :** programs for games or different types andstyles such as Fifa .



Exercise

Q1:Put (√) or (×):

1-The operating system is not necessary to deal with the computer. ( )

2-Presentation program (MS. PowerPoint) helps to display information. ( )

3-CPU is a type of software. ( )

4-Input devices in computer work on processing data. ( )

5-Output devices help in processing data. ( )

6-Word processing software is a type of device. ( )

7-The Central Processing Unit (CPU) is a type of software. ( )

8- Information is the final result we get after processing the data. ( )

9- Data entry is the last stage of access to final information. ( )

10- Removing Word program from your device helps solve most problems. ( )

Q2: Choose the correct answer from the following options:

1- ……It sends commands to CPU to control the processed Data and the way of processing.

a-MS Word b-Operating System c-Power Point

2- Physical parts of a computer are …………….

a-Operating System b-Hardware c-Software

3- A set of instructions that directs a computer's hardware to perform a task is called ……

a-Operating System b-Hardware c-Software

4- The ……. ……………… processes the Data and send information to Operating System.

a-Mouse b-CPU c- Keyboard

5- The Operating System receives ………………..and shows at Screen.

a-Information b -orders c-Data

6- Information is considered the processing product of ……………….

a-Data b-digital blogs c-e-mail

7- …………is the connection channel between user and CPU to achieve commands

a-Operating system b-Software c-Hardware

Lesson5
Supporting People of determination

- **People of determination :** are people who couldn't do something or found difficulties to do some things.
- **The assistive technology:** all technological means that helps us in our daily lives ,especially those with determination , and their own technological means can help them with takes the find it difficult .



Example, for a successful person who is determination



- Albert lane engineer and explorer has an expert leg , but he hasn't let that stand in the way of his success .
- He's still doing all the things he used to do, like exploring different places around the world and if it wasn't for the prosthetic leg he got thanks to assistive technology , he wouldn't have been able to do this.

- **Types of the assistive technology:**

1- Hearing aids

- ✓ Help people who have trouble hearing .
- ✓ Some of these newer style head phone can be connected to Mobile phone .
- ✓ Many include smart phone applications that allow users to adjust





2- **Screen magnification software:**

- This software enlarges everything on a computer screen from words to images
- Allow people with low vision to interact with the computer.



3- **Alternative communication software:**

- Help people with speech and language disabilities communicate with others. these are software for the computers capable of converting a written text to speech or vice.

4- **Sport tools :**

- Paraclimbing tools : allow climbers with limb difference to climb mountains.



- Assistive technology can assist in carrying out ordinary and extraordinary activities..
- There are many other tools that you can search for ,such as:
  1- Soccer ball that make sound .
  2- Tricycles (handbike) ,which can be powered by hands and it has 3 wheels.







Q1: Choose the correct answer from the following options:

1- …………………… is a way that converts letters into prominent symbols that can be read by touching.

a-Braille b-screen c- earpiece

2- Screen zoom software is used to help people who suffer from --------

a-Hearing impairment b -visual impairment c- limb loss

3- ……………… is a device that allows non-speakers to speak.

a-Screen b - Sports equipment c- Speech Synthesizer

4- ………………….. is a device that helps people with hearing impairment.

a-Medical hearing aids b-Sports equipment c- Braille

5- ....Program is used to write reports.

a-Screen zoom software b-Word program c-Medical hearing aids

6- Screen magnification software enables ……….

a-Showing Information b-Hearing the information c-Printing papers

7- Helps people of determination (of a missing limb) to practice their daily life.

a-Prosthetic leg b- Keyboard c-Camera

Q2: Put (√) or (×):

1-Albert line lost his leg and relied on earphones to perform his duties. ( )

2-Assistive technology is a technology that helps people of determination go about their dailylives. ( )

3-Screen magnification software is used to help people who lost a limb. ( )

4-Screen zoom software helps people with visual difficulties. ( )

5-Braille transforms letters into prominent symbols and can be read by touching. ( )

Q3: Choose the correct answer :

Prosthetics	earphones	Braille keyboard	speech synthesizer

people with disabilities depend on.................. to enter words into the computer.

people with disabilities need ……….......... to convert written speech into sound for ease of communication.

Warriors who lost parts of their body as a result of explosions depend on ....

Lesson 6
Common ICT problems and solutions

- The ICT tools like (personal computer – lap top – tablet) help you in many things in your life to do tasks like:
  search on the internet or writing paragraph or home work by word or you can play games ,but you may face someproblems .



Problem1 : an application won't open

Possible solution for a windows PC :

- Restart your computer and try again . You check that you software is up to date.
- Uninstall and reinstall the app.



Problem2 : The Mouse cursor isn't working



Possible solution for a windows PC :

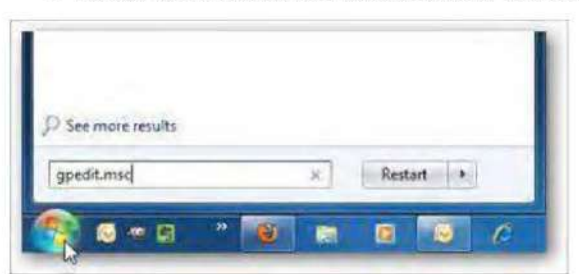
- Make sure you connect the mouse cable to the correct place in the motherboard . it is best to restart you device after that.

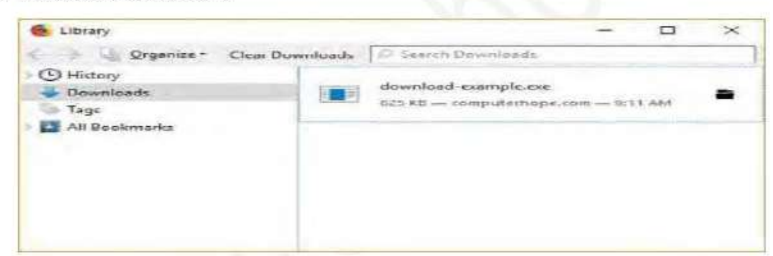
- There might be a defect in the mouse and you might need to replace it.

Problem3: You couldn't find a file

Possible solution for a windows PC :

- Check your download folder.
- If you are looking for a Microsoft Word file , look in yourDocuments.
- If you are looking for a photo , look in your Picture folder.
- Use the search box next to the start menu .





Problem4: You screen freezes



Possible solution for a windows PC :

- Click on (Del) + (Alt) +(Ctrl) together or restart the computer .
- Power off your computer and restart.

Problem5: The Keyboard isn't typing

Possible solution for a windows PC :

- Make sure you connect the keyboard cable to the correct place in the motherboard .
- It is best to restart your device after that.
- If the problem isn't solved , there might be a defect in the keyboard and you need to replace it .

Note in all the problems , if you cannot solve the problem ask your teacher or family for help.



Choose the correct answer :

1- The command responsible for closing all the applications on the personal computer orlaptops is …………….

a- Alt + Ctrl + Del b- Alt + Del + Shift c- Alt +Del + Tab

2- It is preferable to……………….. after repairing or reinstalling the mouse to the device.

a-connect the power charger to the device

b- check electrical connections c-restart the device

3- When there's a problem opening one of the Apps on your computer, you might need to …………………

a-restart your device b- replace the mouse c- replace the keyboard

4- You want to find a file in your pc, you should …………….

a-restart the device. b- press on Del+Alt+Ctrl c- use the Search Box

Lesson 1:- Explorer in Action

1-Choose the correct answer from the following options:-

1-your friend sent an email containing his address, this means that he used...

A-Ground penetrating radar b-Magnetometer c- GPS

2-A device that detects what is underground……

A- Magnetometer b-global positioning c- Penetrating radar

3- A device that detects metallic bridges underground

A- Magnetometer b-global positioning c- Penetrating radar

4-To send a message to someone who isn't close to you, taking care not to share your personal number, you must use ……..

A-Regular mail message b-Text message c-Voice message d-Email

2- Put (√) or (×):-

1-The global positioning System (GPS) is used to explore underground minerals ( )

2-The engineers relied on the magnetometer to locate the construction sites (

3- Ground penetrating radar is used to detect objects buried underground (

4-The tourist doesn't depend on the penetrating radar to locate the different places ( )

5-The goal of adding the global positioning System (GPS) to all smart phones is to detect the locations of antiquities ( )

3-Complete the following statements:-

1-The Global positioning System (GPS) is denoted by………………………..

2-……………..helped to explore everything that is new and beneficial to science and society.

3-…………………..…..uses satellites to communicate and locate objects.

Lesson 3: Components of computer systems

1-Choose the correct answer:-

1-Allows to enter sounds to the computer and record words

(Printer – monitor – microphone – speakers)

2-A device that allows non-native speakers to speak

(Speech synthesizer –loudspeakers –display screen –scanner)

3-Used to direct objects by selecting, dragging or inserting

(Printer – microphone – scanner -mouse)

4-All of the following are components of input units, except

(Touch screen – mouse – scanner – display)

2- Put (√) or (×):-

1-The computer converts information into data ( )

2-A laptop is larger in size than a personal computer ( )

3-The microphone is an input device ( )

3-What is the function of each component of the computer?

Components	Function
	Allow interaction with, and selection of information
	Displays visual data :texts ,images, and videos
	Allows input of images
	Allows input of Text
	Allows input of text and images from paper
	Allows input of text and images on paper
	Allows input of audio
	Allows output of audio

Lesson 4: Software and operating systems

1- Put (√) or (×):-

1-The operating system isn't necessary for the operation of the computer ( )

2-Presentation program helps to display information ( )

3-Software whose function is to control the processed data so that the user can take it out ( )

4-The keyboard and screen are among the devices responsible for operating the computer ( )

5-The data processing unit (CPU) that controls the sending of commands to the operating ( )

2- Complete :-

(PowerPoint –word – CPU –Software –Browser –Operating system)

1-…………..…help the user in carrying out their own tasks such as creating a presentation or creating a report

2-…………it is primarily responsible for how orders are executed and to ensure that the user reaches what was initially ordered.

3-…………..it is a program that helps to display information and add text, images and graphics

4-…………..……it is one of the portals to enter the world of the internet and websites

Lesson 5: Supporting people of determination

1-choose the correct answer from the following tests:-

1-Converting letters into prominent symbols and allowing them to be read by touch

(Braille method – Screen reader – motorized chairs – earphones)

2-It helps people of determination to move…………….

(Earbuds –prosthetic –devices –amplifiers –alternative sports – equipment)

3-…………programs help visually impaired people to interact with the computer

(Screen amplifiers – earphones – microphone –motorized chairs)

4-…………help people of determination to communicate verbally and linguistically with others

(Screen magnifiers – alternative communication software – elevators – Braille)

5-Tricycles that help people of determination

(Earbus – Braille – screen amplifiers –sports equipment)

2- Put (√) or (×):-

1-Archaeologist Albert lin lost his leg and relied on earphones to perform his duties (   )

2-The use of assistive technology makes it difficult for users to perform their daily tasks (   )

3-Screen magnification software is used to help people who have lost a limb (
4-People of determination are the only ones who benefit from assistive technology (   )

Lesson 6: Common ICT problems and solution

1- Put (√) or (×):-

1-It is impossible for any computer to malfunction ( )

2-The first thing you do when you have a problem with your computer is to call an older person ( )

3-Press Del+Alt+Ctrl if the mouse is not activated ( )

4-Restarting the device helps to solve most of the problems ( )

5-In the event that an application does not open from the first attempt, it is preferable to delete it from the device first, and then reinstall it ( )

1-choose the correct answer from the following tests:-

1-An important choice that should be made after repairing or reinstalling the mouse in the device, is……………..

A-Delete an application from the device b-Reboot the device again

C-Connect the power charger to the device d-Check the electrical connections

2-when you are unable to solve some of the problems that you may encounter, you should do……………

A-Leave the problem standing and stay away from it

B-Delete some documents from your computer

C-Disconnect the connections for the keyboard

d-Ask your teacher or a family member

3-The command responsible for closing PC or mobile application is....

A-Alt+Ctrl+Del b-Alt+Del+Shif c-Alt+Del+Tab d-Del+Tab+Shift

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October Exam Name:...

4TH grade Class: .... exam degree........../15

Choose the correct answer from the following:

1 - The device .... is used to detect metals in the ground

a Global Positioning System b Ground Penetrating Radar c Magnetometer

2 - Tourists rely on.......... to locate different places

a Global Positioning System b Ground Penetrating Radar c Magnetometer

3- Satellites appeared in the age of ....

a mechanical b electromechanical c electronic

4 - .... is used as a tool of communication in the modern age

a Email b Pencils c Pens

5- The age of revolution witnessed the emergence of printing technology and the use of the Pascaline machine

a mechanical b electromechanical c electronic

6 - One of the devices that a word processor program needs to write on the computer

a Keyboard b printer c headphones

7 -................ is an operating systems

a Word b Windows c PowerPoint

8- It converts letters into prominent letters that can be read by touch

a Headphones b Screen c Braille Terminal

9 – we can use.................. to copy paper and photos into the computer

a Display screen b speech synthesizer c scanner

10 - .... Enables you to listen to audio clips on your computer

a Screen Enlargement Software   b Mouse   c Speaker

11 – The computer can process the data by..........................

a cpu   b screen   c printer

12 - Screen magnification software is used for people with ....

a trouble hearing   b poor vision   c loss of a limb

13 - A device that allows people who have problems with speech to speak

a Speech Synthesizer   b Printer   c Scanner

14 - A device that helps people who have trouble hearing.

a Hearing aids   b scanner   c printer

15 - Preferably .... after repairing or re-installing the mouse in the device

a Connect the electric charger to the device

b Check the electrical connections

c restart the computer.

October Exam **Name:..**

4TH grade **Class: .... exam degree........./15**

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a Hearing aids   b scanner   c printer

15 - Preferably .... after repairing or re-installing the mouse in the device

a Connect the electric charger to the device

b Check the electrical connections

c restart the computer.

Choose the correct answer from the following options:

1. Drivers use ………… to identify passenger directions.

a) gps positioning device

b) gpr ground penetrating radar device

c) alternative communication software

2. It was discovered in the era of the electronic revolution.

a) calculator b) smart phone c) digital meter

3. Blogs are managed by.................

a) one person b) two people c) several people

4. ………… is considered the most widely used as it defines different categories of information

a) presentations program b) scientific magazine c) graph

5. To conduct a search for a specific topic on the Internet, you must first……….

a) specify the information you want

b) review the information sources

c) write the name of the source

6. .... is considered personal information.

a) nickname b) age c) address

Put the appropriate word in the place of the dots

(Awareness campaigns - Braille terminal system - computers - prosthetics - Windows - block - microphone - headphones)

1. The era of the electro-mechanical revolution witnessed the invention of the firist digital ....

2. .... is one of the output units that help the blind to read the computer outputs.

3. It is one of the most famous operating systemsand it has many versions. ....

4. ....help war casualties who lost a limb to carry out the tasks of their daily lives normally.

5. Anika has done a .... Through the Internet to help people lead a more healthy lifestyle.

6. When you .... someone, that person cannot see your posts or contact you.

Complete the following statements with an appropriate word:

1. Scientist Albert Lane used drone for ....

2. .... used to insert images and paper books into the computer and convert them into digital images and files.

3. There are some units that can be used for both input and output, such as.....................

4. You downloaded a file for a presentation that you have to look for in a folder ....

5. .... is An email you receive from an unknown email address containing an advertisement

6. Feeling tired is a .... consequences of using technology when excessive use of electronic devices .

Give a reason for:

1. Archaeologists survey the land before excavation.

2. Reliance on drawings and images as a means of communication in the pre-mechanical era.

3. A businessman who travels a lot depends on his laptop in performing his daily work.

4. While you are using the computer, you find that the keyboard or mouse does not work.

5. Anika first collected information from the internet Why do you think she contacted the locals?

6. Reliance entirely on the Google search site is considered one of the disadvantages of using ICT tools.



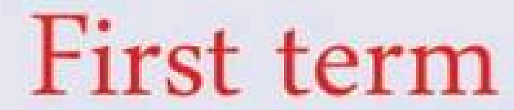
October Test

Information and Communication Technology

Grade 4

First term





Test 1

1 Mark true (✓) or false (×):

1. Modern technology saved us a lot of time and effort. ( )
2. Satellites and GPS are features of The Electronic Age. ( )
3. RAM doesn't affect the speed or performance of a computer ( )
4. DOS is considered the most common operating system ( )
5. Word processing programs are usually used to make presentations. ( )

2 Complete the following sentences

1. .... is used to locate underground minerals.
2. Pens, pencils, parchments, and abacus featured in the .... age
3. To enter your name into a computer you use the ....
4. .... is the main storage unit in a computer
5. .... is an output device for text and images on paper

3 Answer the following

1. What is an operating system?

   ....

2. What is a computer?

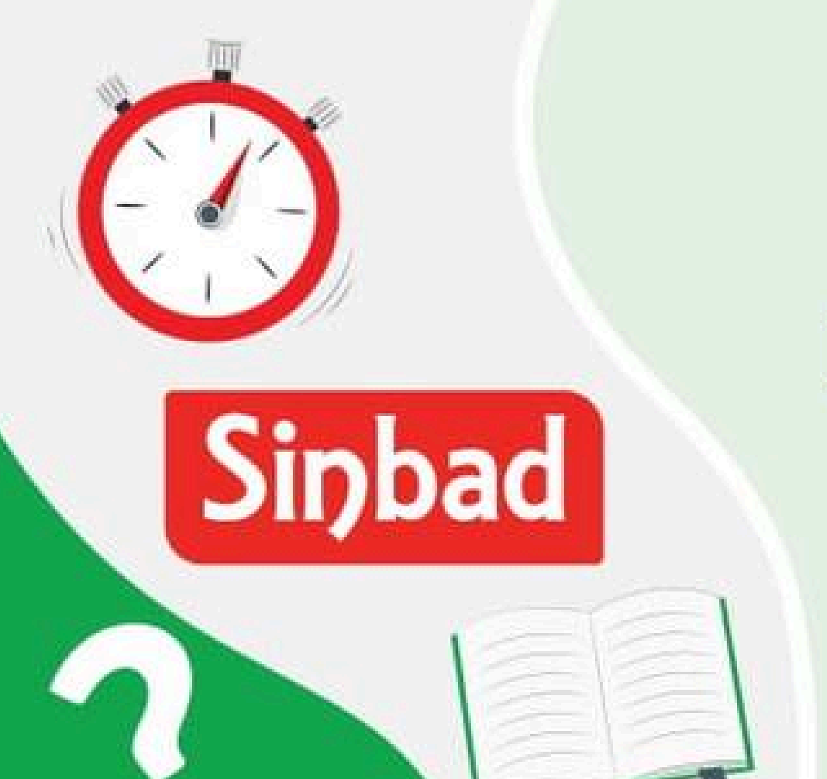
   ....

3. Who is Albert Lin?

   ....

4. What is the use of Magnetometers?

   ....

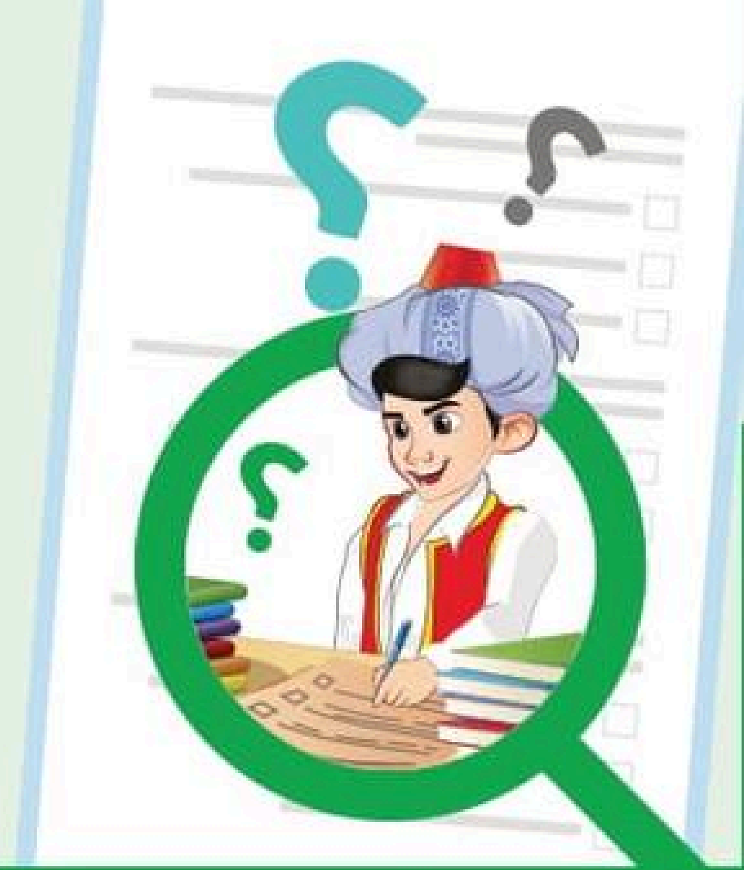


Answers

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Test 1 answers

1 Mark true (✓) or false (×):

1. ✓
2. ✓
3. ×
4. ×
5. ×

2 Complete the following sentences

1. A Magnetometer
2. Pre-mechanical
3. keyboard
4. Hard drive
5. The Printer

3 Answer the following

1. It's a type of software that communicates with the CPU to make the computer work and open programs.
2. It's an electronic device for processing data and storing information.
3. He is an archaeologist who used technological tools to explore sites without digging.
4. To detect the place of minerals underground.



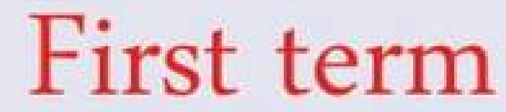
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Test 2

1 Mark true (✓) or false (×):

1. CPU is a type of software ( )
2. We use speakers to listen to music ( )
3. The Pre-mechanical Age started at 4000 BCE ( )
4. Printing was invented in The Mechanical Age ( )
5. It's easy to take pictures using drones ( )

2 Complete the following sentences

1. .... is used to locate something using satellites
2. The Pascaline was invented in The .... Age
3. A .... is considered an input and output device at the same time
4. .... is used to write reports
5. .... is used to create spreadsheets

3 Answer the following

1. What is the use of GPR?

   ....

2. Mention some of The Electro-Mechanical Age inventions

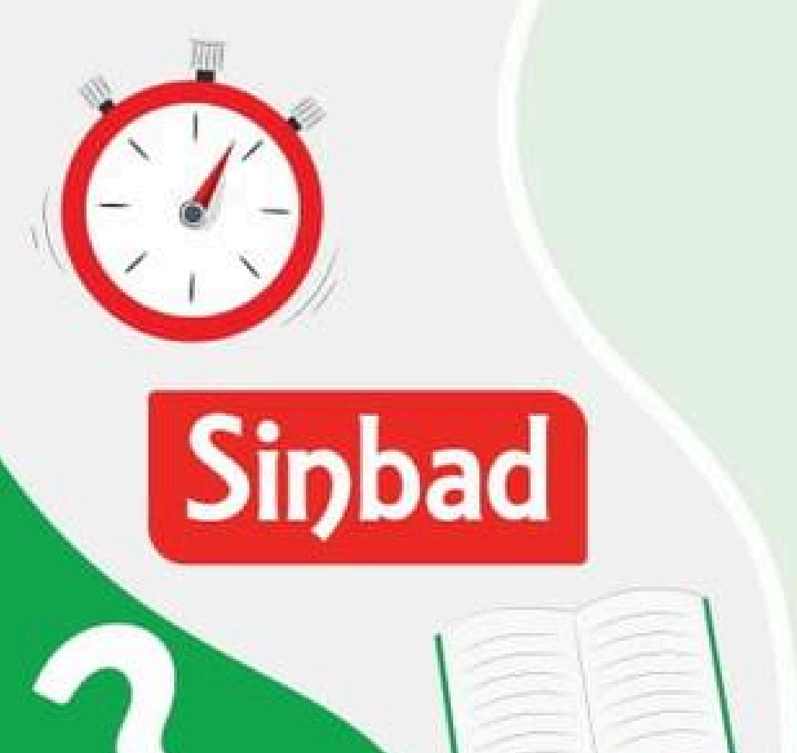
   ....

3. Mention some of the output devices

   ....

4. What is software?

   ....





Test 2 answers

1 Mark true (✓) or false (×):

1. ×
2. ✓
3. ×
4. ✓
5. ✓

2 Complete the following sentences

1. GPS
2. Mechanical
3. touch screen
4. Word
5. Excel

3 Answer the following

1. To detect underground metals and archaeological treasures.
2. the telephone - the record player - the first digital computer
3. Screen - Braille terminal - Speakers - Speech synthesizer - Printer
4. Programs and apps that help users operate a device and do specific tasks